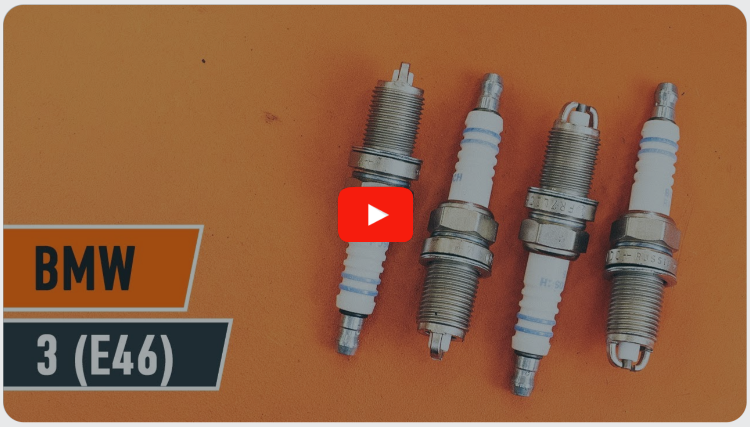
AUTODOC CLUB

How to change spark plugs on **BMW E46** – replacement guide

VIDEO TUTORIAL

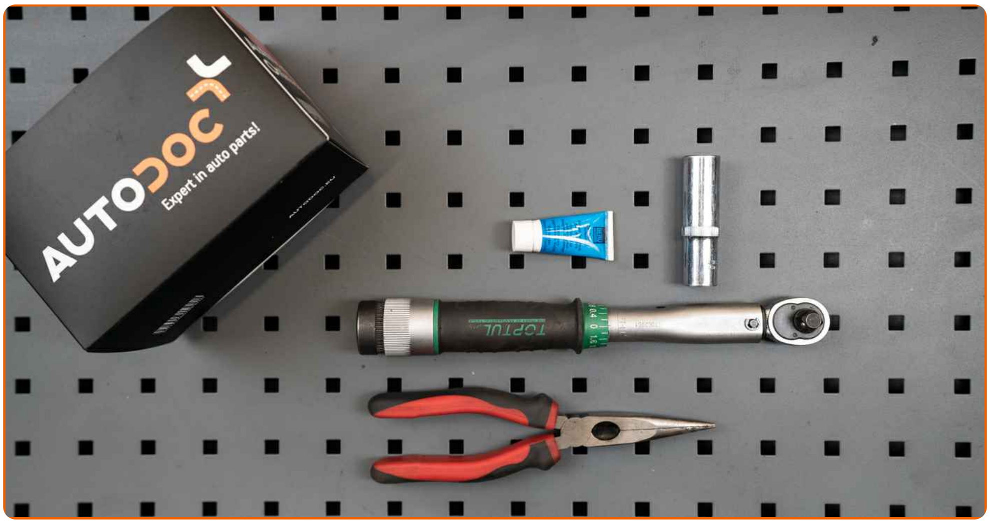


Important!

This replacement procedure can be used for:
BMW 3 Saloon (E30) 316i 1.6, BMW 3 Saloon (E30) 318i 1.8, BMW 3 Saloon (E30) 318is 1.8, BMW 3 Touring (E30) 318i 1.8, BMW 3 Saloon (E36) 316i 1.6, BMW 3 Saloon (E36) 318i 1.8, BMW 3 Saloon (E36) 318is 1.8, BMW 3 Coupe (E36) 318is 1.8, BMW 3 Touring (E30) 316i 1.6, BMW 3 Convertible (E30) 318i 1.8, BMW 3 Coupe (E36) 316i 1.6, BMW 3 Convertible (E36) 318i 1.8, BMW 3 Compact (E36) 316i 1.6, BMW 5 Touring (E34) 518g 1.8, BMW 3 Compact (E36) 318ti 1.8, (+ 30)

The steps may slightly vary depending on the car design.

REPLACEMENT: SPARK PLUGS – BMW E46. LIST OF THE TOOLS YOU'LL NEED:



- High-temperature anti-seize lubricant
- Spark plug socket # 16
- Ratchet wrench
- Torque wrench
- Round-nose pliers
- Fender cover

BUY TOOLS

Replacement: spark plugs – BMW E46. AUTODOC recommends:

- The replacement procedure is the same for all spark plugs.
- All work should be done with the engine stopped.

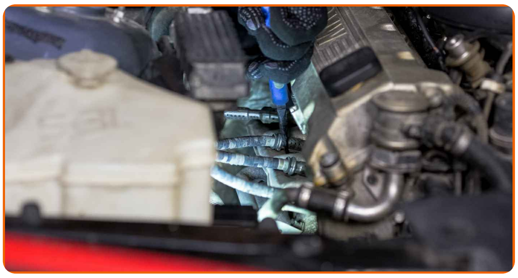
REPLACEMENT: SPARK PLUGS – BMW E46. USE THE FOLLOWING PROCEDURE:

1 Open the bonnet.



2 Use a fender protection cover to prevent damaging paintwork and plastic parts of the car.

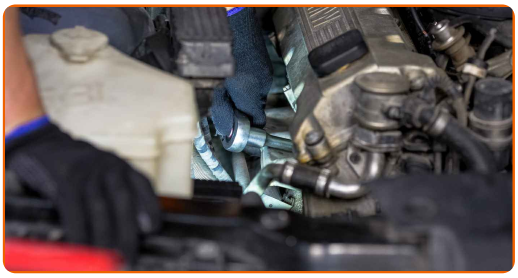
3 Remove the spark plug wire connectors from the spark plug wells. Use round-nose pliers.



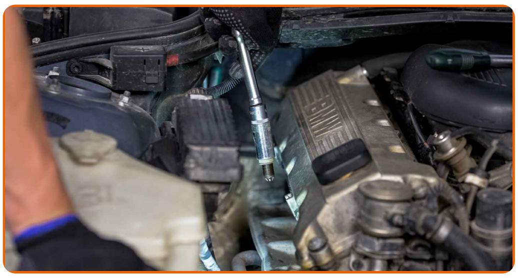
Replacement: spark plugs – BMW E46. Professionals recommend:

- Be careful to avoid damaging spark plug wires.
- Remember the sequence of the spark plug wires connectors.

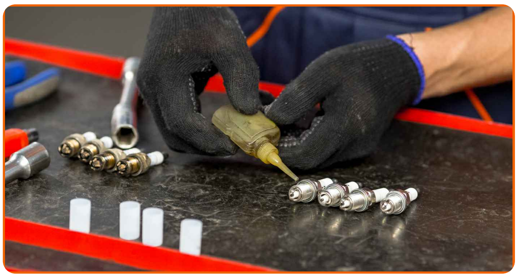
4 Unscrew the spark plugs. Use the spark plug socket #16. Use a ratchet wrench.



5 Take out the spark plugs.



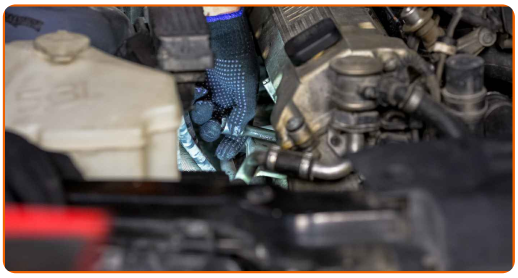
6 Apply a thin layer of a special high temperature anti-seize lubricant to the threads of the new spark plugs.



7 Install the new spark plugs into their mounting seats. Use the spark plug socket #16.



8 Screw new spark plugs and tighten them. Use the spark plug socket #16. Use a torque wrench. Tighten it to 27 nm torque.



Replacement: spark plugs – BMW E46. AUTODOC experts recommend:

- Don't tighten the plugs with excessive force. Exceeding tightening torque can damage the thread connection.
- Be careful when working with a spark plug wrench. Its skewing can cause damage to the threaded connection.

9 Install the spark plug wire connectors into the spark plug wells. Make sure you hear a click indicating that it is locked in place.



AUTODOC recommends:

- Replacement: spark plugs – BMW E46. Follow the installation steps.

10 Remove the fender protection cover. Close the hood.

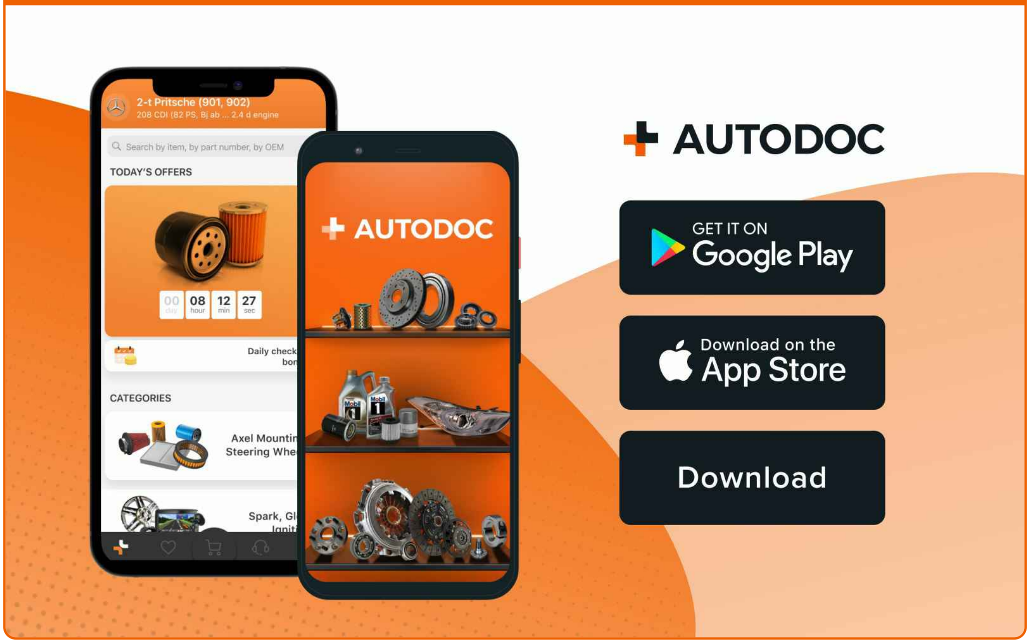


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SPARK PLUGS: A WIDE SELECTION

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